WHAT IS CLAIMED IS:

- 1. A waste treatment apparatus comprising:
- a disposal for mechanically reducing waste discharged from a kitchen;
 - a flow rate controlling tank for temporarily storing a mixture of the waste reduced by said disposal and kitchen waste water;
 - a solid-liquid separating device for separating the mixture supplied from the flow rate controlling tank into a solid component and a liquid component;
 - a composting device for converting the solid component separated by the solid-liquid separating device into a compost;
 - a precipitation-separation tank for precipitating fine particles in the liquid component supplied from the solid-liquid separating device;
 - a split-flow device for distributing the liquid component supplied from the precipitation-separation tank; and
- a waste water treating device for biologically treating the liquid component supplied from the split-flow device to thereby produce treated water.
- A waste treatment apparatus according to claim 1,
 wherein

said waste water treating device comprises a tank containing microorganism carriers, and

said liquid component is introduced into the tank, subjected to a biological treatment in the tank, and then discharged out of said waste treatment apparatus.

- 5 3. A waste treatment apparatus according to claim 2, wherein said waste water treating device has perforated containers containing said microorganism carriers.
- A waste treatment apparatus according to claim 3, wherein said waste water treating device comprises a plurality of said perforated containers.
- A waste treatment apparatus according to claim 3 or wherein said perforated containers are in contact with one another.
 - A waste treatment apparatus according to any of u claims 3 to 5, wherein said microorganism carriers comprise u grains of a plurality of average grain sizes which are alternately stacked in said containers. 20
 - A waste treatment apparatus according to any of a claims 3 to 5, wherein said microorganism carriers comprise grains of a plurality of average grain sizes which are concentrically packed in said containers. 25

- A waste treatment apparatus according to any-of
 claims 6 to 7, wherein, in said waste water treating apparatus, the ratio of diameters of said microorganism carriers having different average grain size is 1: 1.5 ~ 2.5.
 - 9. A waste treatment apparatus according to any of claims 2 to 8, wherein said microorganism carriers are wood chips.
- 10. A waste treatment apparatus according to any of claims 3 to 9, wherein said containers are mesh baskets.

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- 11. A waste treatment apparatus according to claim 10, wherein the mesh size (air gap) of said mesh baskets is 3 mm ~ 7 mm.
- 12. A waste treatment apparatus according to any of a claims 3 to 8, wherein said containers are unglazed containers.

4 13. A waste treatment apparatus according to any of claims 1 to 12, wherein said split-flow device includes a cleaning device, and waste water from the cleaning device is returned to the flow rate controlling tank or the precipitation-separation tank.